

Priority  
X3

Access DB# 144070

## SEARCH REQUEST FORM

Scientific and Technical Information Center

Requester's Full Name: Sin J. Lee Examiner #: 76060 Date: 1-27-05  
Art Unit: 1752 Phone Number 302-1333 Serial Number: 101761,842  
Mail Box and Bldg/Room Location: 9D60 Results Format Preferred (circle): PAPER DISK E-MAIL  
(Rem.)

If more than one search is submitted, please prioritize searches in order of need.

\*\*\*\*\*

Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: Plz. See B:b

Inventors (please provide full names): \_\_\_\_\_

Earliest Priority Filing Date: \_\_\_\_\_

\*For Sequence Searches Only\* Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.

Plz. search for a photoacid generator  
of cl. # 1 (Has to have all  
those 3  
components  
in in one  
molecule)

Priority  
#3

Access DB# 144071

## SEARCH REQUEST FORM

### Scientific and Technical Information Center

Requester's Full Name: Sam J. Lee Examiner #: 76060 Date: 1-27-05  
Art Unit: 1752 Phone Number 302-1333 Serial Number: 101761, 842  
Mail Box and Bldg/Room Location: 9060 Results Format Preferred (circle): PAPER DISK E-MAIL  
(Rem.)

If more than one search is submitted, please prioritize searches in order of need.

\*\*\*\*\*

Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

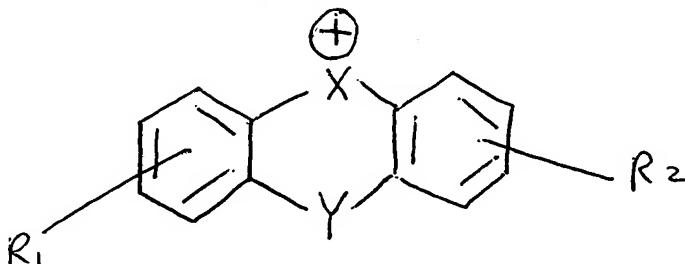
Title of Invention: P12. See B7b.

Inventors (please provide full names): \_\_\_\_\_

Earliest Priority Filing Date: \_\_\_\_\_

\*For Sequence Searches Only\* Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.

P12. Search for the  
following photacid generator



$\text{X} = \text{Iodine or Sulfur}$

$\text{Y} = \text{Oxygen, Sulfur, } -\text{CH}_2-\text{, or Iodine}$

$\text{R}_1, \text{R}_2 = \text{H, alkyl, phenyl, or caged alkyls}$

Anion for example  $\text{ClO}_4^-$ ,  $\text{SbF}_6^-$  or ~~perfluoroalkyl~~ perfluoroalkyl -sulfon

Priority #3

Access DB# 144072

## SEARCH REQUEST FORM

### Scientific and Technical Information Center

Requester's Full Name: Sin J. Lee Examiner #: 76060 Date: 1-27-05  
Art Unit: 1752 Phone Number 301-2-1333 Serial Number: 10/161,842  
Mail Box and Bldg/Room Location: 9B60 Results Format Preferred (circle): PAPER DISK E-MAIL  
(Rem.)

If more than one search is submitted, please prioritize searches in order of need.

Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: PI2. See Bib.

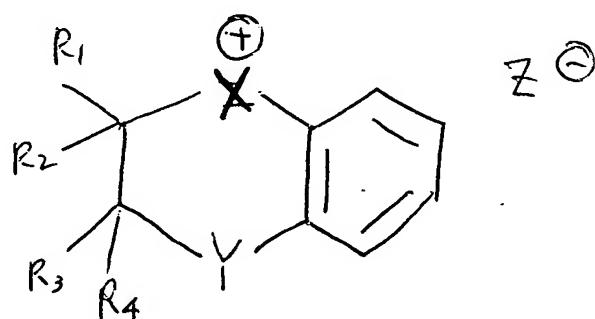
Inventors (please provide full names): \_\_\_\_\_

Earliest Priority Filing Date: \_\_\_\_\_

\*For Sequence Searches Only\* Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.

PI2. Search for the following

Photoacid generator



X = Iodine or Sulfur

Y = oxygen, sulfur,  $\text{--CH}_2\text{--}$ ,

or iodine

$R_1-R_4 =$  alkyl

phenyl

or caged alkyl

$Z =$  anion

(for example,  
 $\text{ClO}_4^-$ ,  $\text{SbF}_6^-$ )

or perfluoralkyl-

Sulfonate

STAFF USE ONLY

Type of Search

Vendors and cost where applicable